7. R. Fosberg Collection number book # 18

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Control 25, 1997 - Page 15, 1997

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Collection and Field Note Book

No.18

(August 25, 1946 - March 15, 1947)

(26790 - 27165)

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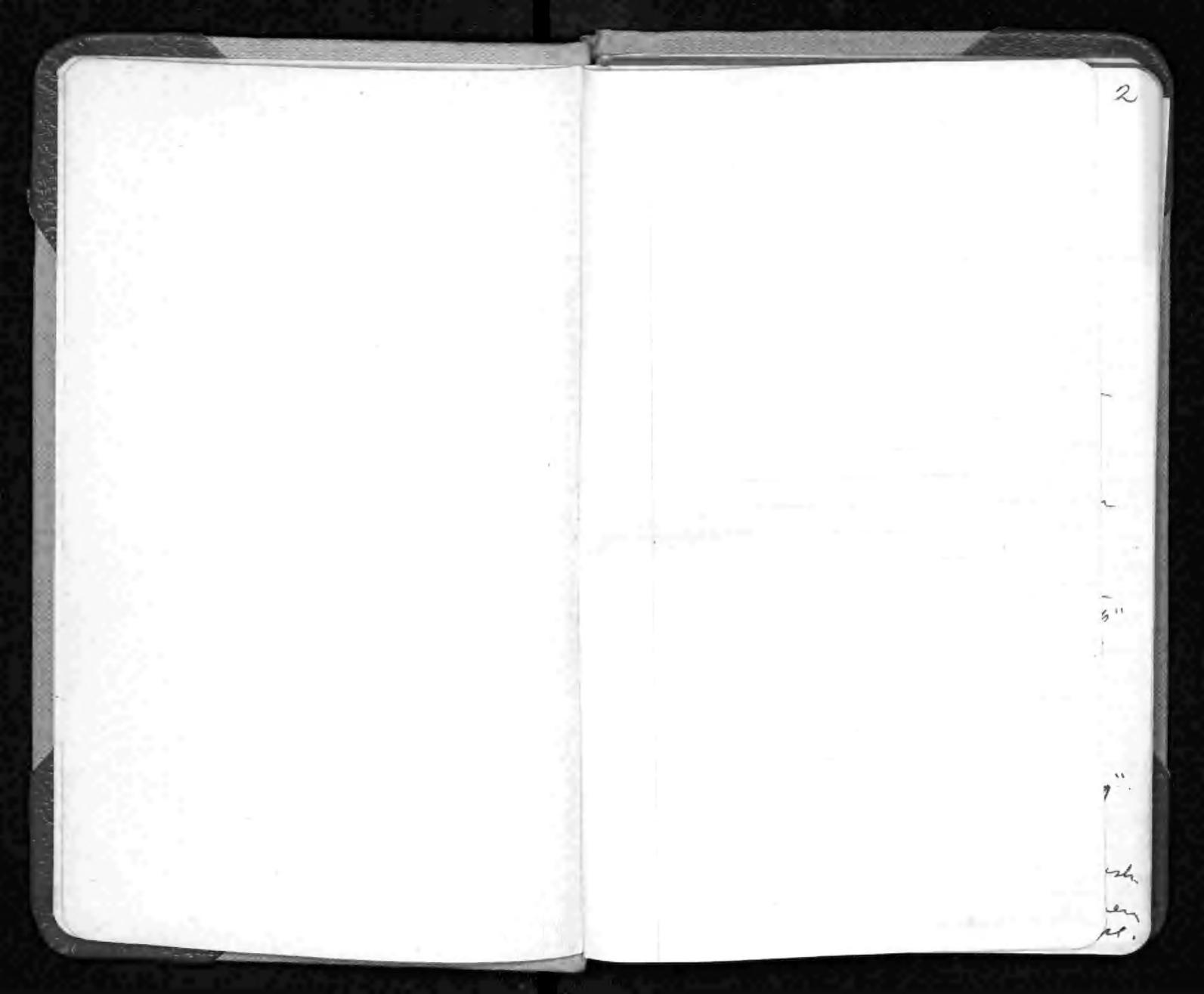
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F. R. Fosberg
Collection number
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beginning with
26790

7 # 27167



ailinglaspalas 1946 Marshall Is. ang. 25 - Bikajle (I tet flat coral sand and rubble, mostly planted to exemute 26790 Pemphis acidula trees 4-8 m, tall, cut for logs "kungi common on both beacher and around mangrove depressions. 91 Bruguera tree 5 m. tall others common in mangione tures as tall, calyx depressions and hypanthium red. "Jong"
tree 5 m, tall, flower 92 Thorinda citrifolia common generally and fruit white 93 Canavalia mierraysa flowers purple. "man lap" local on inner beach 94 Endig subrendata trie 10 m. tall, sterile local "kono" 95 Spomoea alba L. me, flower white common closed in afternoon. 96 Loulamea amara tree 6 m. tall; flowers local new unner beach while, fruit green kabujiling" 97 nephrolepis acutifolia (Desv.) Christ Sport frances pendent common on tree trunks in mangrove depressions. fruits from almost defoliated bush 98 Terminalia samoensis Rech. small tree 4 m. tall when occasional near inner beach "kung"

ailinglapalap atol 4 1946 marshall Ic. 26799 Leaevola frutsiens abrundant en outer beach rounded should 3 m. tall, other up to 5 m. flowers white, fruits white fleshy "kunat" tips water and water used to treat mother after childbirth. 26800 quettarda speciosa L. white "wut" common generally 01 Pipturus albidos argentero tree 4 m, tall; "arame" common generally inner borle used for fish lives. 02 Messerschmidia largentea tree 5 m. tall; leaves common along outer beach fleshy, silverygreen, rare on innel. flowers white /"kinin". 03 Clerodendron inarme sprawling shrule; flowers white; stamens near houses, frombly planted and style maron purple. 04 Crinum per the about, m. long, in a rosette, without, with white within hich ilin" planted near houser 05 Crinum nech 3-4 dm, tall, leaver planted near houses ma rosette, , m. cong, purplish distally, flowers white except for reddish margins of per Tepals without kick iwan"

marshall Is. 1946 26806 Intria byuga common in and near mangrove depression 07 Digitaria prurien van mi nobadus nare under coremits 08 Pisonia grandis , oscasional 09 Barring toning periating occasional 10 Calympers thyridivides.
10 a Taxithelium terminetum
10 b Calympers moluciense on base of cocomit tree 11 lencophanes glanculum on basi of commut tree 12 Ectropothecium apperiods 13 Englishia chamissonis Biso. common locally in open place 14 Hernandia rare on inner beach 15 artocaypus altilis common mostly away from bearles 16 Carrytha filiformis beach, parasitie on many things

ailinglapalap atolf 6
trees up & 10 m, talp, all
sterile

small sterile tree

"kangal"

tree 7 m. talf, sterile;

petrolle base of midrile

red; "worp" fruits used

to poison fish.
"lum en ni"

light green cushion
"lum en ni"
"lum"

stems assending. leaves pale beneath.

tree 3 m, tall me fruit
seen, perigone inflated,
aifrie plugged by fruit.
"pring (a) pling"
They 10 m, talf of their
much taller, "me"
puit eater extensively.
leafless, stems yellow-green,
flowers white "kanun"

1946 ailinglapalas atolf marshall 12. Calophyllum inophyllum large tree, slevile 13 Ochrosia francisco beach common breaks common breaky sap milley; flowers white "kejiwai" especially around mangrove depressions and near outer beach. 9 allophyllus tree 6 m, tal, fruit common locally in yellow when not - quite rife. "hutak" from inner bedal 20 Wedelia biftora sprawling Tangled herb fuith resivour oder; abundant everywhere flowers yellow. under coconuts, considered a serious weed. markuene 71 Hibiseus tiliaceus bush 1.5 m. talf, others seen much langer locally common men but all slowly "loo" interior of usland (pronounced law inner back used for cadage. n Elensine indieg "ujuj alafi" common wound village 23 Paspalum vaginatum matted and Tangled common locally, 1 pure stands det. 1576 finds east "ini" 24 Nephralepes acutifolia (Desv.) Chri En old evenut stump 25 Premna obtusifolia R.Br. (obtuse luvo) anomatic, sterile shrub under evenuts

ailinglapalate atole 10 marshall fs. 1946 26826 Triumfetta procumbens prostrate, flowers yellow "atat" unner common under corconute 27. Phyllanthus meser dt. 6.6. Weblin, 1955 back used as weaving maleral. "mar kanene common around village 23 l'ilea microphylla prostrate, fleshy common in open placer under coronits about village 29 I homes merebelo on rolling coconut stump 30 Polypous on notting logs - fonds "andap" Il asplenium nidus L. on base of cormut tree 32 Thursea involuta prostrate, framing common under trees - close mat "ujuj 33 Lepturus repens forming thick tangles common locally in open mat "rijerj" and under commuts 34 lacca leontofsetalvides herb, scape I m. tall, abundant under cormut trees leaves of m., yellow. sportaneous here (but "mob (a) moh tuber made planted in other places) into starch, fed to babies. 39 Fimbristylis cymrsa Tufts, "nots with common generally peppery odn "perijman". 34 Flennya ruderalis slems red. common locally on broken nen kut (t) but prostrate extensive flowers 37 rgna maring common generally except in deepstrade

marshall Is. ailinglapalage atolo 12 78 26838 Cypens small tufts in mud of 2 mall taro patch pulsur 39 / teris rhyging short, erect. rare in ditch in village 110 Polypodium scolopendium strizerne creefing, common generally lerestrial fronds erect "kino" 41 Cytospenny merkusi: (Hassk.) Scholl in marthy excavaling leaves up to vom tall. yarali com eater. cultivated 112 adenostemma lavenia flowers white. rank under trees pulmoula traj 43 Colocasia esculenta sterile, petroles deep prufile cultivated in marshy excavation Ratale". 44 annularia gelatinous "lotilingen kitirik". in dead log not eaten. aug. 25 same in garden 45 Chambita prostrate, leaves gray commonly cultivated - stolled, flower crange. 46 Xanthoroma leaves dull green above, very glandows beneath cultivated 47 Physalis nices flower fyelloutisty green, stiglitly brownish in center. 48 Cenchrus achinatus "luk (a) luk 19 Telphorbia thymifolia prostrate, pruplish. weed, or base of executive 50 Rhow discolor shizome branding leaves cultivaled purple beneatly plowers white.

marshall &s. ailinglapalag cetolo 1946 14 24891 Carried papaya stem erect 2 m. tall flowers cream. on fruit of 9 plants eaten. 52 fantana Camana single sterily very chlorotic plant. cultivated 53 Citrus amantifolia sterile small Tree. cultivated bealthy 54 Asclepias curassavrey herb 2 m. talf, flower cultivated bealthy red with range corena. 55 Musa nana Low. plant Im tall, fruiting cultivated bealthy. 56 Musa x sapientum L plant 3-4 m. tal. cultivated, healthy 57 Eragnosti, amabilis spreading tufts Tweed common 53 Poenderanthemum atropurpment shout Im, talf, leaves cultivated as border plant, healthy small tree flowers 59 Plumeria rubra L. cultivated, bealthy. soan white, yellow - in certing. 60 Codiaeum variegatum shoul 1.5 m. talf; leaver cultivated, healthy - twisted red and green. (d) lageter erecta (hat. var.) malodows herb, flowers cultivated, healthy tright orange. 62 (tibiseus (hybrid) bush 1.5 m. tall cultivated, nather tot healthy - flowers red. 63 Nerium indiaum Mill. shout 4 m. tall, flowers entirated, healthy bright rose, fragrant. 64 Osimum sandum L. cultivated aromatic herb

1944 marshall Is. 15 arlinglapalayatol 16 Russellia equisetiformis cultivated, unhealthy spreading therotic 66 Mirabilis jalafra here ois mitall, flowers closed in forenon. 47 Polyseias sutellaria sest shoul 2 m, Call, cultivated as border shouly sterile healthy 68 Pseuderanthemum eldorado erest show trimmer cultivated as border shouly to im. tall, florences - Cealthy leaves green, flowers white with deef crimes frots in center, me love down, 2 transportal, 2 erect and overlapping. 69 Polyscias evert, 2 m. tale, sterile. Entirated, healthy, (26870 grows from same not, shoots emerging just above - ground, 70 Volysias frequent sport from # 26869) cultivated 11 Spomora batatas prostrate, sterily, cultivated Gadly attacked by suching buy. 72 tolanum lyerpersicon weeks, staked up. cultivated, healthy flowering but not setting much fruit.

1946 marshall Is. 17 ang. 24 - anik Islet, really a part of ailinglapalap Clanted to commuts except for a large mangrove swamp, draining I lagon by a tide channel. 26873 Medyotis biflora near houses -74 Lumnitzera in small wet depression 75 Cyperus abundant in fren marshy low sport 76 hand carolinensis casei Hance one bush, of near dwelling, probably planty 77 Sophna tomentora one small bush along 73 Hymenocallis littera Cis commonly planted

allinglappalats atall 18

formeration and Rhizophore
dominant in This mangiore
swamp, which has mad
bottom and opening to layou.

There is m, tall, leave, somewhat fleshy, flowers in carlet. "harmeme"

showers vermillion

"kajim" (informant, when
ashed if this had been

trought from lonaple said no,
it was an Marshallere)

bush (m. tall, badly
eaten by caterpillars

"hili"
caesfitoze, reasies
erect, scapes is cot
1 m. tall, flowers

white "kieli"
pedunde compressed.

1946 Marshall Jo. 21879 Hibiseus Tiliaceus common away from beaches 30 Chalassia Vemprietii in tidal channel leading from mangrove swamp to layou 31 Julia bijuga to occasional in 32 Lonneratia enserlaris codominant in establish mangrove swamp 83 Khizophora manonata codominant in some mangrove swamp 84 Khezophora mucionata 35 Digitaria sanguinalis common under committees 36 Bruguiera mangrove swamp, occasional 27 Monrea gracilis? litteraly 14. 88 Centella assatica common in grass under cor counts 39 Catharanthus weers J. Dm cultivated

ailing lapaly atof 20 bushy tree 6 m. tall, flower yellow with dut fruple center. "lov" (pron. law). sterile "jojo"

shrubs or small trees, always seen sterile "kubark" small tree 5 m, tall, spreading. "eroeale" tree 6 m. Tall, leaves punctate "pulapul" beneath.

from several treez.

tree 6 m. tall; calyx and hypanthium bright red; evolla salmon jung sterile prostrate vine - lawjiningen krijilsjoch strizme creeping, - louves eved man iby flowers rose Cather plants white).

Cillinglapalay atol 22 1946 Marshall 1. 21 any 14 Isthmus between airils and Estebeng selets Liparts of arlinglafralaf 1264 sand flat shrub 3 m. tall, flowers yellow "rekung" 76390 Luriang maritimg rare, one plant seen ang. 24 Enebing Islet (fart of ailinglapaly, Islet) islanted to coronuts. 91 Tiens manylylla large, sterile, spreading tree, planted in yard of 3 m. talf, very broad; "nubbe" said to have former fafranese Trader. 92 Ricinus communis Leen brought from faluit. plantey herb 2 m talf, for immature fruit greenish yellow. 93 Hedystis biflora prostrate, flowers common along trail white; blanso 94 gamphrena globosa heads bright magenta cultivated, healthy Only 3 islets of ailinglapaly to place as is substratum atoll (really two if airies and vegetation. Theo and knebing, connected by a seems to be notrue sand isthmus; are ansidered raised wal. Inne one) were investigated places are sandy Bikajle, Durils and Crebing. some gravel a mobble, these rang from place other broken coral.

ailinglapalas atoll

In this layour the Eval growth is such as one reade about in south sea stories brilliantly cotonful, varied, great treelike stag-horn and a smooth stay-line like brind on the layour bottom and on the inner fringing reef. Never trave I seen such a varied assortment. fresions coul of a sort is found here. Tisk are williant, varied, and numerous, The lagorn near the reef edge is, in quiet days like an aquaium onlymore

Two more Pandanus wars.

recorded "alorwin" and

"laitorerer". "My especial

effort made on there, some of
same as on Jaluit seen.

and the substratum rocky. a large mangrove many vecus on airill with formeration and dhizophora dominant and Bruguiers secondary. There is offen water in the center, connected with the lagurn through a channel at hightide. The bottom is a coral mud, light gray in color. Some areas of the coronut plantation are kept clear of undergrowth and weeds, at least lemporavily. Others are much evergrown.

There is a practice of burning bushs, leaves, etc. also broles are dug to recime them.

Except on bases of trees, where mosses and ferme are sometimes found.

Excavated two patches are extremely rare. alorasia common.

majuro atole 1946 marshall &s. 29 30 end of major atall ang. 27 Daluf (Lalome) Eslet, e. iveldy ground along dir striff sterile culms tangled. l'aspalum vaginatum one patch seen heal, others on Rita Island. prostrate, & ray white. Eslipta alla rare in often space spreading trifites 02 majetaria pruvier san mi dacha common eveally enest bert ; flower yellow. 03 Londons deraceus occasional only seer here 04 Kerodendron inerne shrub 3 m. tall, flowers white, stamen occasional in dense brush and style maron purple. stems red, plowers 05 Fleunya muderalis reddich. fine stand on lare coral rock Or immfetta procumbens prostrate, extensive, 07 Stackytarpheta jamaicinis - flower yellow. flower, blue violet, leaves smooth. on bare anal fill, one plant seen. 08 Bruguina tree 10 m. tall, early and brypanthium red. around small depression in coral rock, abundant. 09 Cynodon dactylon prostrate, forming a Moren roadside _ dense mat, scapes erect. 10 I porroea per - capral pristrate, eclensive; flowers bright purple. common near outer beach

33 1946 marshall Is. majuro atolo 34 24919 Premnadtusipolia K. Br. show 2 m. tall. flowers green. common generally small tree, flowers 20 Cording subcordata -deep orange, fruit green. local in thickets lacea contopetaloides herbin! tall rare along road 22 Intsig bijuga should ym. tall, Howers with petal rare in thush white, stamen and style clark red. 23 Nephrolessis acutifalia (Dess.) Chief, Genett enect rare, seen on one coronut stump 24 Guettarda speciosa tree 6 m. talf; flowers white, fruit emmature. common generally 25 Messerschmidigargentea strub 3 m. tall; leaver flesly, silvery green; common along beacher 26 leminalia littoralis flower white rare in thickets small tree 3 m. Talf Truits green. 77 Fimbristylis cymosa hytz, nootz with - peppenyodor. abundant generally I hub'r mitalf, 78 Fiphens argentens very chlorotic. common generally tree 5-2n. talf, flower 29 Cemptis deidula! white. common generally, in one place ai most a pure stand (specimen from there)

tufte culme enect from decumbent bases. - spilves purple. erect herb 1 mital, root enlarged, flowers white. - herbs up to 1 m. tall i prostrate, flowers white

green above, white beneath, up to the

saf milley; base of brail scarlet.

leaves erect, green

51 Hernandia occasional mean beaut,

52 Terminalia litteralis occasional, top of beach

planted to coronalize with thickets, grassy places and muchy Eystospermy patibles, 53 Hibiseus tiliaceus oceasional Thickete
54 Centella asiating common along trails and in grassy spots
55 Crinum
common planted

majoro atolf to be should a mitale, leaves green, blowers white white with crimson purple shots in center, one love downward, I hingental, I erect.

Tree 10 m. tall, rips fruit white, implated, orifies round, not loved.

"bring (t) bring to word word weed for canoes a love.

I terilo should I'm tall, "beiling"

"law"

Thispens creeping, above growind "marbole"

nosette of leaves repto

1 m. long, peduncee

slightly platlened, , m. tall,

flowers white with

purple filaments and

style "hich"

41 mashall Is. Majuro atoll 42 26956 Citrus amantifolia small tres 6 m. Tall planted, occasional flowers white (sterile twig from different tree) 57 Colorasia esculenta sterile, earns enter planted in mucky petivles red, not pristly. escavations 1 58 Cytospermy chamissonie growing much larger yary" var. "hatah" Cyviosperme ner Muss: (1/455/6.) Schatt considered inferior to other dit. DHN: colsn (45) 6/1998 - varieties for eating. 59 Cytosperma chamissonis planted in muslay depression graning personal pricitly, petioles bronze, mottled, yarig var. yarij petiols green, only stightly to Cystosperma chamissonis planted in muchy olepression, bronzed, prickly yang var kalikalik" com leater. 61 lyperus califitore, erect. pulser abundant weed in mudey Cyrtosperma fratelies hed herb m, calp 61 Jussiala flowers yellow petale. abundant weed in muchy obcadate, 1 cm. long, Cytosperma palches falling readily nen but (à) but. (this name rather doubtful). 63 Blechum weak-stemmed, prostrate, occasional in sunna spots flowers white, falling vergeasily "klarjong" (name doubtful). 64 Vigna marina common locally prodrate extensive, flowers yellow "markini jojo"

marshall to 43 26965 faceharum officinarum ce landanus occasional 67 Spornoea altra emmon 68 Hedyotis bifling common locally. this in pebbly dotryard 69 fida fallar planted in doorgand -10 Leavols frosteries 70 Tymenocallis litteralis near dwellings 71 anna muricatu planted now dwellings e creasional. 72 ragnostis amabilis around dwelkings

majuro atol 44 Gadly diseased Tree 6 m. tall, beade somewhat ofteny Lagola rer fruit laten. ving, climbing over bushes, sterile "marbele prostrate, flowers white "kinat" and "naruto" names from 2 informante, possibly flowers crange, center slightly marked withred. his flower used for garrands, plant used medicinally. leaves in distichour rosetter, 1 m. tall, even; reagre confirenced. breamate, 0.7 m. tall, - flowers white kiel. small tree, apparently sterile but said to - bear fruit. prostrate trifts.

majur atoll 45 1946 marshall Is. 26973 Emphabia thrymitolia prostrate, purple. 74 acalypha common breally cultivated in doorgand brush 2 m tall leaves red and green variegales, chlorotie "vont" (namedoubles) 15 freus timeloria small trag 4 m tall planted in donyard, "tepero" said to have been brought from filler Is. 74 Polyscias frutiersa
freanted indonyard bush 2 m. tall, llave yellow - green "kubuk" (name doubtful.) 77 Pseuderanthemum atispupu eun abundantly plantes along trail. showle 2-3 m. tall, teaves deep puiple, flower frink, closely mottled with crimses. ne løbe down a horizontal, 78 Carica grapaya common generally single stem, erect, 3 m. tall, loves flowers cream white. henabu" 19 trembity pepo prostrate, extensivo cornon around villages flowers crange, leaver mottles with gray. planted 30 Optiamenus compositus prostrate, paniele common generally in shade ascending. vine, prostrate or climbing, 31 Tomora gracilis common generally flower purple. marlab

269 32 ananas comocin Islanted in garden 33 Fleurya Inderalis cominan under Treis 34 Portulaca samoensis V. Poella common in openings

Firsterrea bullifera

3 stony ground beach (Dew.) Church of Thephrolepes acutifaka (Dew.) Church on old coronit stump 87 asplenium midur on tree trunks (common in interior, epiphytic and terrestrial)

33 Leaevola fruterseen (Mill)
fringing upper beach

East end of the atolf have been rather through & ly denuded in the construction of air strips, amounting durings, warehouser

sterile, elicotic

sterns reddish.

prostrate, fleshy,
flowers yellow, 19 mm.
across "prijang"
vine, climbing into
trees, tuberiferous
"lajewer"

givet "anum karere"

rosette of ascending

fronds "karatup"

showers white; fruit white, fleshy. "hunat"

camps and other military installations. During Working Work 10000 men were stationed here. Where there has not been continuous activity

South sea and

vegetation has evene buch in most places. there eastern islets are manow and in most places quite welry. In some places The evenuts were not destroyed. The basic vegetation away from The early, austryn, etc. is a brush of heavola, Guellanda, Messerschmidia. Mounda, Wedelia, etc. with occasional patches of preadfrint, thinly franted with cornute. O'ne place supports a solid stand of Pemphis, -which is scattered einohere. Timbristylis is abundant in spenings, as is Triumfella I small mangious swamp, with Brugines persists along the air strip. A pure stand of fleurya was seen in bare conal rock.

Cenebrus, Firmbristylis, Cynodon, etc are elmmin.

majuro atoll

The west end of Majure Islet, at the west end of the atolf. is quite different. It is over I ham wide, with sandy soil with miderable humes. It is planted to breadfruit and wormels, bept rather open in some facts beneath, elsewhere with Thickets of Promna, Wedelia, Mounda, etc. finall exeavations, but rather deep, filled with much, - where Cystosperma and Coloraria are very numerous, and in aggregate quite extensive. Between them the earth exparated from (him forms small truly, even up to 10 m. Thigh loward the extreme

westend these hills seen more bulky Than could be accounted for by the contents of the excavation. The natives say that They were thrown my by a typhon many years Caried, Cumbeta, algrasia, as well as a number of anamentale-(senderanthernum, Polysias, ete, are planted or own sportaneously in considerable abundance along trails and around villages asclepias, Mirabilis, Crimum, etc are planted in don yards. Cilms, annona, etcare sparingly grown. One small brugines define swamp was noted with definitely muddy bottom. young seedling very abundant Leaevola and Messerschmidia and common, fringing

the onter beach and.
The inner beach is often, with a coremets down to beach, Calophyllum and fernandia trees.

Epiphytes are not common on this atoll anywhere. a few mosses and occasional ferms.

native names secured on Majours are not very reliable. I suspect that the informant, when he didn't know, gave the first name that came into his head.

Tacca abundant, used dept.

To Dec. an important food.

Pandanus fruits ripen
all year, but each van
bras a season. Abortert
in spring, just before
fread puit slason.

ang. 29 - Librely Islet flat mostly welry ground, little soil planted to coconule but with little undergrowth, frew breadfruits, mostly around village! Leavola fringe in outer beach, with Messerschmidia and grettandy behind it! Eypens stuffermen are under treadfruite in slightly mout place 90 Vernonia cinera orcasional Enghartin brista common losally

93 Thuana involuta common -locally 94 Messerschmidia argentea common near outer beach

92 Hymenocallis litteralis

planted in village

drier aspect than another are southern atolls. Breadfruite are much less abundant. Ferns are absent except Polypodium scolopendium. undergrowth, mosses and epiphytes are rare a lastring.

eacefritore, gray.
"sap (a) saff"

erect, flower purple

erect, tips anching

erect, leaves and

scapes 1 m. talf,

flowers white, pedunds

compressed.

prostrate "ujuj"

shoul 3 m. talf, leave,

fleshy, sidvery green

flowers white.

11 Crinum planted

Library atolf Tufte with runners shrub in tall ngrangi sterile should 1 m. treg 6 m. tall, banks schreddy, "kamin" young stems used in weaving fish traps. should 1.5 m. teel, flowers white; fruits white "konnat Juice squeezed out of ripe fruit and used as eyedrofs. here, up to 1 m. tall, leaves turning yellow mokmok" tubers grated to extract starch which is much used for food. Harvested about October. writte of leaver will scape of white flowers with purple filaments and style.

Likieb atall 1944 marshall Is. 60 25011

1946 marshall 9. 61 Librief atolf 62 27011 Euphorbia heterophylla common locally herb o.5 m. tall, brusts redat base "nukuni" said to have been brought from Carolines. stems ascending, 12 Euphobia chamissonis common generally leaves white bedeath "peril" 13 Cleusing indica unfits common, especially around village "adat", flowers yellow. 14 / riumfetta procumbens 15 Phyllanthus sinus schok ath. Webster 1985 Elmmon generally tufts perelejman 16 timbristylis cymora common generally spreading Trift 17 tragrostis amabilis 18 Digitaria prucius van minoherhan "inilan frace" common locally ang. 30 same award village tree 10 m. tall plowers 19 Terminalia cataloga L. white, fruit green. along inner breach "kutil" seed eaten. tree & m. tale; buds white. 20 Calo phyllum inophyllum 21 Plumeria rubra L. commonly blanted. small tree flowers cream white and yellow, braguant "meria

17042 Hippotroma longiflora
around edge of Cyrtospuma
watch
43 Experies
weed in Cyrtospuma patch
44 Jussiaea
a ben plantin Cyrtospuma patch
45 Crythrina
whetree in village
46 Russellia eginisetifumi
cultivated
47 Pandamus
planted

aug. 30 - ailini File
(agony) Islet,
stony ground, planted
to coronut, except extreme
east end where counts
will not grow, this
covered by feaevold
brush with greetlanda,
Messerschmidia, furiona, etc.

49 Hedystis biflorg
common in interior of
island
50 agave of Journeya
one clumb in interior

51 Citure amantifolia cultivated 52 Pisonia grandis near house, but loubtless nating 53 Spomora alta tuba occusional 54 artocarpus altilis (Park Fost. . commen around house

Librials axos pryamidal tree 7 m. talk one staminate inflorence seen, no fruit; tract white, pendent, oda very strong. "Dolp va, "envan" this va. said to the only me producing staminate flowers. These called _"tuants" prostrate; flowers white kenoj rosettes of stift fleshy leaves, one beginning to send refrastende srape. loriginal said to have. been cast up on beach). strub 3 m. tall, steril. slerily true 6 m. tall. "sangal" sterily very an marbele Tree 110 m. tall, saf milly. "me var "mungenung"

Libriel atol tree 7 m. tall, fruit an ground check with immature one on tree. "loop" van. "pulser" - fruit eaten. shoul 2.5 m tall, flowers white, fruit whate when ripe min leaves and fruit used medicinally prostrate from thisle not, stems green leaves whitish beneate, flowers white, stamen prostrate from thick root, stems green with red jointe, specioles red, teaf thates whitish beneally, - flowers prints. - 2 hours 3 m. tall, ripe fruits red terete, not eaten kukung trees 10 mital; mature freezemen ing called, white to red, oring wand. ming soing

filiel atolo marshall 91. 73 small tree 4 m tall, Premna obturifolio a.n. flower green "kan occasional in frest - yellow "marlap" 62 Vigna maring emmon generally should you. call, 63 Morium indian, Mill. flowers tright now, cultivated - fragrant. 64 Centella asiatica (L.) Urb. prostrute mango" common locally near houses steril shoul z m. all, 65 Sophora tomestora kuli rare in interin low should in tal ble Auriang maritims "ngiangi. rare on inner beach

Sept. 15 - Upper nurann Valley, near Hyside Down

Hawaiian Is.

Tibouching wwilleams (OC. 1 Cogn. well established in underbrush

68 Stacky tarpleta roadside

Kailraffinition 69 Verbesing encelioides common along roadsides an entire region

Lanibai Point, Kailug 70 fantalum ellipticum vans common on low dry Eithrele common on low dry grassy slopes

Sept. 21 Honoluly, mahily 71 Frem sultivated

> bu gray, smooth safe milly, turning rose punh on exprosure to ain.

showers deep purple. herbrufto 1 m. tall, flowere lavender-blue.

herb, m. talf, flowers yellow.

10 m.

large patcher, low shrubs, leaves greenish gray, flowers greenish, fragrant.

wide spreading tree 15 m. tall, no acrief nots, but trunk with wide spreading buttresses and large spreading noots at surface of growned. of one time before maturity 83

Left. 21 - Honoluly, Waitsilse, near moana Hotel 27072 Pandanus cultivated

fept. 11 Waimanalo, away from beach. 73 Passiflina foretida un googfijdia vadside weed, dry road cut, common!

Le 22 - Honolula, Makihi in garden 74 Justicia betonica L. in hedges and boaders, sportaneous

75 Phyllanthus weed in shaded places 76 Thunbergia alata sportaneous avant edges of garden

small tree, 4-5 m. tall. fruite in small heads, 15-20 cm. long, 10-12 cm diam., phalanger bright vermillion, even the topouter part, fragrant.

Oahu

short wine, ascending, ill-scented; fruit trale green.

-erect herb 1 - 2.5 m. tall, bracks white with green veins, flowers leivender with a white spot outlines with purple in lower life.

vine; flowers cream. white with purplish black center. Holmobroldia sanguinea cultivated

> sept. 72 - Karlua, Karlua a roadside near bridge 78 l'aederia fretida var guatemalensis climbring on pense

Hawaiian 95.

79 Passiflere foetide var. quaternalensis climbring or fence

Sefet. 72, Karlina Beach, Kailing 30 Schinus socke teresidelifolius

1. 31 fluchea indica

Lept. >2 - Top of Numanu Pali exposed crests, grassy slopes and with ledges.

3? Engeron canadensis Conysa

83 felaginella y arbusula earth banks and ledges

dense arching should 2 m. tall, calyx bunt crange, corolla scarlet.

vine with very desagreeable ods, flowers dull lavender, purple within, - Rober with yellowish hair. vino, rifse fruits dark cumoun ned.

shrub 2.5 m. tall, flowers - pale green. shrib i m. Call, flowers printrish

frank plants curved, mostly so as & lie flat against substratum, but some offerite to this.

heads white

heads white

prostrate, slightly
bluish green.

event, flowers magenta

event

large semiprostrato
much traveled plants
flowers faded crange.

vine, ill-scenter;
flowers lavender, purple
within, lobes with
yellowish ham.

vine, flowers white,
turning yellow.

Harvairan & Calu Wachahulula . Sept. 22 - The Honolulu, nuranu Stream at Lehrol Street Bridge thin tangled ground Dieliptera clinensis cover tranches ever deminant plant in or assending, flower undergrowth under trees bright was - purple above level of stream within, paler without. erest clump, hairs 93 Paspalum urvillei at base mitating single clump in beg of steam in grassy place 94 Echinschlora wolfen jalli (L) Beauv. culms ascending. dry edge of coment-lines stream bed Trendent .95 alternanthera semlis single plant in crowne of stone wall above stream 96 Cyperus difforms rare in cement bed of stream light green. 97 Lemna g. minor L. wet place in cement of stream bed tangled herb up 5 1 98 Kuellia 0.8 m. tall, plowers cement stream bld blue - violet.

Oct. 5 Honolulu, Kabaako 27099 Pluchea ostorata coral fill, very common

Fito Oct. 5 havens stream, Kailud Beach To Meffern martina var. pacifico H.J. . Tost abundant in trachish water gust inside black at mouth of sheam

> Cet. 12 - John Rodgers airport, Kalibi Kai, Honolulu saline enal frel,

to with mostly atriplex, some sesurium, afew weeds, much bare ground.

it itriplex semibaccata occasional on fush fill

or atriples very common on fresh fill, most abundant spleier

03 ahiplex on file of fresh coral rubble

04 souchuz around old embantsment show 1.5 m. tall, heads purplish.

- prostrate, gray-green, - fruiting bracks red, fleshy. main brancher prostrate claves gray prostrate, fring a thick

ligules pale yellow.

Oahu

Det. 12 Oaku R.R., Killingham Brid. Kaliba Kai, Honolula railroad embankment. and rubble Cynodon daetylon var. maritimum

00 Helistropium massavium

17 Euphobia emmon

08 Enphabia emmin

Of a Verbesing enceliaides emmon 09 Khizophora mangle h. very abundant, frume slands on tidal flats and orlong tidal channels 10 desurrin pertulacastrum common

deep lorse tangled, more a less glancous. prostrate, fleshy, very -glaneous, flowers white. plants arching, tranding more a less in one plane, green, flowers white. plants areling, tranching more a less inone plane, plant and flower reddish - a perplish-green. plant gray, heads - yellow. shrubs up to 4 m. tall. flowers whitish petals, yellowish sepals. prostrate, stems red, leaves not erect, flestry

but strongly compressed,

flowers frink.

95

Oct. 13 - Moth mobulus

steep sloper of volcanic ash a weathered tuff,

Enagrostis variabilis nothy diff, common

12 Casuaring a frew plants on steep state

13 prosofus one clump on beach

14 Leucaana grana (Lam.) De Wit one small plant seen 15 Seaevola Faceada abundant on steep stopes and ledges.

> Plants seen but not eolleted were: facquementia sander. Lipochaeta integrifolia Aprobelus virginieus

Oahr very dry at this season. Only strubs, a fleshy perennials and half dead bunches of grass in evidence large clump, nostly dried up. culms almost prostrate. bushes, depressed by wind, translitete fleshy: sterilo. low rounded dens chump 2 m. high; flowers yellow; fruit - immature. plant 0,8 m. Call.

low spreading shoul, small leafed condition probably due to drouth, as larger leaves were on ground under budy. 99 1916 Harraiian Islands
Oct. 20 - Heeia Bridge.

Feia, Windward Cahin
Broad stream-bed,
mostly resulpied man
sea by mangrove swamp
27121 Spornoea bona nose allea L
climbing on fence at
edge of swamp

Bruguiera conjugata
common especially
upstream from main
mass of Rhizophna
Blizophna mangle
abundant, friming
dense swamp frest.

round green love

Oalm

stems prostrate with a seending branches, from many large low masses; flow masses; flowers lavender-purple.

tree-like suffriterient herb & m. Tall, anomatic.

prostrate, extensive, leaves white beneath; flowers white beneath; flowers white.

causing abnormal habit in host plant.

anomatic herbs, up to

strub in tall;

heads pinks

Oct. 23 - Heria Bridge, windward Oalin edges of mangrove swamp, tidal flat with Batis, Phullea and Englan 27132 Datis maritima abundant.

33 Plushea indieg common, especially along ditch baness 34 Bruguierg conjugata abundant symorty prostrate with ascending bancher, leaves and fruits very fleshy.

struck, m. talf

forming thick stand,
competing successfully
with Rhizofoliona locally
but not able to spread
so rapidly. Tree
6 m. Tall (thers to 10 m.)
calyx and hypanthium
red, early lother
variable in number).

very dry vadside 27135 Lida sprinosa 36 abutilon incanum

37 Eufeborbia for hinta

38 Euphorbia thymifolia 39 Lida small colony

40 Fact ricachne insularis or animal

of insund flats back of beach 41 Cuscuta sandwicensis common pararilie on pornola per-capia 1/2 Aprobolus virginieus dorninant sand-binding plant on small dunes and flats

- flowers closed at 3:00 p.m. suffruterent harb; flowers faded Jainbrish - white with purple center. stems spreading at extreme base, then assending, areling at very prostrate, purplish slender skrubs 1 m. talf, flowers arange, with tiny red spots near center. clump, erect culms

stems hange-yellow, tufts erect, leaves stiff.

from desumbent stems.

Mod. 1 - Johnston Island word sand around in base buildings and in warte spots

1 Plueben odrata (?) Cass.

V Enghorbig hypericifolia L. common along fences and edges of walls

3 amaranthus viridis L. common along fences

4 Pluchea indieg Heso. uncommon, i a a plants seen

5 Tribulus cistordes 2.

abundant, especially in places not walked on two mud

7 Cenchrus eclinatus L.

8 Emphorbia geniculata Integar abundant locally, on

9 Lepturus repens (Forst.) R.B.

10 Ricinus communis J.

11 Chloris inflata Link abundant one coronal seedling seen.

. stems reddish brown.

stems slightly reddick

prostrate, florerera, florer green, leaves white beneath; flowers white beneath;

leaves somewhat

stimbs up to 1.5 m. call.

nov. 3. Honolulu, malsiki 27192 Emilia forbergi Wirden weed in garden

117 ieus cultivated in yard

nov. 3 - Neeig Bridge. windward Catru 54 Klingofshaa mangle abundant in mangrove swamp

55 Halophila hawariana Joly & Ston abundant in fish - pond, quite salty, densely covering mud-bottom.

nov. 4 - Honolulu, makiki 56 Prana cultivated

nov. 5 Honoluly, manoa 57 Tabebuin iseltivated, street tree

sten long white villous flowers scarled, _ somewhat exceeding involves spreading tree with drooping transles, frage dry.

cres 5 m. tall - unusual individual with many fruits sending out two _seedling. stems prostrate. leaves transparent green.

vine, climbing on house; flowers white.

leaves oriaceous; tree is m. tall in flowers lavender - prints.

120 Oahn 1946 Hawaiian 90. nov. 11 - ala mouna Park, Honolulu bush 3 m. tall calyx yellowish - white, petals: 27184 Rhizophora ochainagetil

nov. 30, 1946 Turloch, weed, along roadsider and esliges of cult, fields

66 Citrullus volgaris van

March 15, 1907 - M. No. slope of Rocky Mountain, fouthern section of therandock Nets. Park, la. 17 Lycopodium tristachyum common offeat with Pinus rigida, common offeat with Pinus rigida, Valming litifolia, Vaccinium, etc. on white sand from decomposed quartzite fruit pale green, seeds green with fruit pale green with seeds green with promined seeds green with promined seeds green with promined wines dead from frost.

gratelus; shigamer 4- 4 em in soil; fruit very nare and already dried by. 1946 muchanesia collit. E. Towner Franks May 1946 son Joseyfrum may re 7 mle, Tolk. o. o Preming conjulous (Burn. f.) Kott Hedyatis albido-punteta (Men.) For ... Pemphisacidula Forst. on coul web near teal! water son. Helicteres on conal noch near salt writer. fluter - yap, ohen land 1 Nefrenther mirabile Aug 4 Kapingamarangi atoll Car. July 28 Woleaiatoll Carolines an. Tamophyllum aug. 10. Ponope Combines High country near center of island, wet forest aug 19. Kusaie So. Mt. Busche, (Matante)

Flowers lavender

Flowers Leg crimson

946 Miermeria Coll. R. E. Oakley thay 17, faitan Islet May 17 Enivetoh atolf, Mind Japtan I slet artiragens altilis (Pak.) Forb. tie and central part of ratherd yield May 27, Trule, moentsland on Citus or mantifolia on engancine May 26 Truly, Udot). Manitally Sprenged on Musa, observed also on Moen + Tol I slands reasimal on all three. May 26 - Truck, 7 efan, at main raddle on divide. F Crotalaria munorata Degv mayry Trub, Tolksland on sugar care May 25 - Trule, Tefran I sland leaf-shot on forghum rulgar

1946 Micronesia R.K. Lyman well. caroline Is. & aug. 11 - Porafre, matalanim s.m. Xylocayner granatum aug. 71 - Kusail 1. 1. Baringtonia s.a. Miscanthus floridules aug. 23 - marshallys. Jaluit atoll, Jalon plantif around old town site, persisting from cultivation Cordyline terminalis (L) Kuth 2 Cordyline terminales (4.1Kunt) 4 Cycas circinnalis L. 5 Polyacian frutivosa & Lansevieriz 7 Carnarina equiractifolish. 8 Lencaena glavea 9 Polyscias quilfoylei 10 Lindapsus arreus

> Prage colonia (Scrians areal) Elephantopus mollis HBK

Plants collected in bailing by Homer a Stephens agn. I guarria mariannos (haff. 1 men. Volybodium serlopendria Brim. , tugenia palumbis Merr. (Ceiba pentandra (L.) Guerty. I pomoea indiea (burn.) There. · Helistropium undicum L. I aglaig mariannensis men. 3 nephrolefis hirsutula (Forst f.) fr. 9 Thangifera indica L. nd buffly tlanehonella sp.? not insect galls on fremma integrifolis 1. Coffee anabica t. 13 Hibisans tiliaceus L. " Morinda citrifolia of Coffee anabrea L. 16 Polypodium punctatum (L.) Les. 17 Pyrosia lanceolata 16. 1 Farm. 14 Vittaria elongata Lu. so alyxia torresiana gand. 21 Dearingia a maranthoides (Karai) Mery. 77 Usnea Bruguiera conjugata (L.) Merr. Ha acrostichum aureum L. 14 Hernandia ovigera L 16 Therfresia populnea 17 Delonix regia (Boj.) Kaf. 18 Cassia fistula L. of Davallia solida (Forst. fr.) lw.

30 Cypenis javaniens frutt.

John

Sarpan

12 plants - Coll 12 Thing

12 plants - Coll 12 Thing

45

messersehmidia argentia (6) phot.

10 pomora nec-capiac (4.) Roth

Plants collected in Laipan by Home a Stephens afr. 1995 1. 8.1 I quarria mariannos (Laff.) men. 2 Holypodium scolopendia Bum. 3 Eugenia palumbis men. " Ceiba pentandra (L.) querty. I pomoca indica (Burn.) Men. 6 Helistropium indiaum L. 7 aglaig mariannensis men. 3 nephrolefis hirsutula (700lf.) Pr. I Mangifera indica L. nother of Planchonella sp.? not left, insect galls on Premna integrifolis 1. Coffee anabica L. 1) Hibisans tiliaceus L. 14 Morenda cityolia .. & 1; Coffee andrieg L. 16 Polypodium punctatum (L.) Lw. 17 Pyrrosia lanceolata (L.) Fara. 14 Vittaria elongata Lev. 1 pading no alyxia torresiana gand. 11 Decringin amuranthoides (Lam) Men. 17 Usnea Bruguiera conjugata (L.) Merr. H acrostichum aureum L. 17 Hernandia ovigera L. no thenfreria populnea 17 Delonia regia (Box.) Rafe. 18 Cassia fistula L.
19 Davallia solida (Forst. fr.) lw.
20 Cyperus javanius Hout.

Unless other wise stated, these plants were all collected in the jungle, near the top of a hill, probably 500 ft. altitude. On this island, it couldn't help but be a rocky place, can't tell for sure about the rock, but am inclined to think that it is mostly lime with perhaps some volcanic material mixed in in certain places. They were all collected on 13 May 1945.

- 1. Small tree, 15 ft., fruits in a cluster, deep purple color and shaped somewhat like a peanut 1,2, or 3 secs in a fruit. One specimen shows the base onto which the fruits are attached.
- 2. Fern from 15 ft. up in a tree (don't ask me what kind of tree). This fern also grows in rocky places on the rounds
- 3. Shrubby vine and when I use that combination; it is sometimes like a shrub and at others is like a vine. Fruits bril iant red, flowers whitish.
- 4. Rapok. At least, this is the tree from which those pods came. 15 to 40 ft. high.
- 5. Forning glory. Trows every where on higher ground. 10 to 15 ft. long. Flowers light blue, turn pink when dried. There's a flower pressed against one of those leaves, so don't pass it up.
- 6. Plant about 3 ft. high. Grows along the roadside. Plowers whitish. When I say along the roadside, it might have originally been a jungle, but Ibelieve in this case it was in somewhat of a clearing since there are indications of former dwellings close by. You see, unless one was here on the first few days, he has no idea of what was originally there. Things grow fast in a years time also war machinery and the U.S. engineers change the terrain and the flora very rapidly.
- 7. iree, 15 20 16.
- 8. rem. among rocks on hill top. Lots of pandanus around.
- 9. Tree, up to 49 ft. neavily leaved that is in contrast to most of the trees in that most of them are as I have said before, the leaves mostly in sort of a layer around the outside. But you stand under this one and you can't see up thru at all. The young leaves are shiny and somewhat reddish.
- 10. ree, 20 ft.
- 11. rungus on leaf of bush 10 ft. high.
- 12. Shrubby tree up to 15 ft. White flower, slightl scented.
- 13. Shrub, tree, vine. This is that danned thing I pictured in a letter. Close to our camp it is a beautiful bush about 10 ft. high. I have also seen it with one trunk and growing up to 25 ft. Then, there was the one that trailed off thru the bushes maybe as much as 35-40 ft.
- 14. Shrub. to 10 ft. The fellows call it "stink apple", but I don't know just why. Flowers whitish and clustered all around that "ball" center.
- 15. Shrubby vine. 15 It. (stems just too week to stand alone.) Fruits bluish purple.

- 16. Fern from tree. Clumps of this tern were grow of about 20 it. up in the same tree as .05. 2 and 18. Some Fronds 20 ft. long. Some with one or two prohones of the mid rib, but mostly just one simple 'leaf'.
- 17. climbing form. -idn't trace each vine, but it appears in the tops of trees as high as 35 ft. rerhaps it has its start in a form of the tree, but from general appearances it runs the wold length.
- 18. Perm. 25 ft. up in a true. Jone from 20 ft. long. guess this is a ferm, at least it has the coiled young from and its 'roots' are like a fer . Louida't find any reproductive 'arts.
- (a) 19. algae from ocean edge two kinds. The little one is lufte which when in the water, but presses out out from poth are yellowish brown, its terraps a conch of green.
 - 20. vine, 20 ft. Fruits muish.
 - 21. Time, 15 it. flowers very stall on those spikes and tre sort of levender.
 - 22. lichen on dead tree.

w. 22:

now stains special bout it. I told you, disn't i, that the our terms the red of that suphervia to white.

I guess I'm too tired tomight to time, so i'd metter not try to do my more descriptions. Spec when my mister stands the obstures o co, they can do the describing for me.

These were all collected on 12 June 1945 on Jaipan.

200

- Fern, climbing. From about 20 feet up in a Bread fruit tree. Just what all the other stuff is, is more than I can say, make you can figure it all out. The tree was growing on high ground, in fact, probably around 700 ft. altitude. (When I got down from the tree, I found a sign a little farther on saying, (When I got down from the tree, I found a sign a little farther on saying, (Bestricted, Danger Japs".) I'm not sure whether this is the same fern I sent before or not.
- 25 2. This tree grows about 20 25 feet high and in very wet soil. Leaves are shiny, flowers reddish with yellowish insides. The fruit (?) grows directly out from those finger-like flower parts without them ever drouping off.

 Fruit the only ones I saw were green and about 8 10 inches long.
- 24 %. Fern. This is the same fern I sent before the big one. All of these merts except the coiled frond are from one frond. Let places.
- 25 %. Tree up to 30 40 feet. This is the tree that grows those little gadgets that I sent in that package along wit the kapok and stuff. Low wet, ground. That little fruit, or seed, is surrounde by a globular outer covering. These there is nothing but air between the covering and that acorn-like seed. These were green enough that they smashed flat.
- were green enough that the sent before. Look like a mallow.

 of that tree-vine-bush thing I sent before. Look like a mallow.
 - 27 %. This is what we call the flame tree. And I'd like to know the name of it.

 The flowers look like a nasturtium, to me. Taybe I just have nasturtiums
 the flowers look like a nasturtium, to me. Taybe I just have nasturtiums
 on my mind, tho, because I can't get the things to grow out lers. The tree
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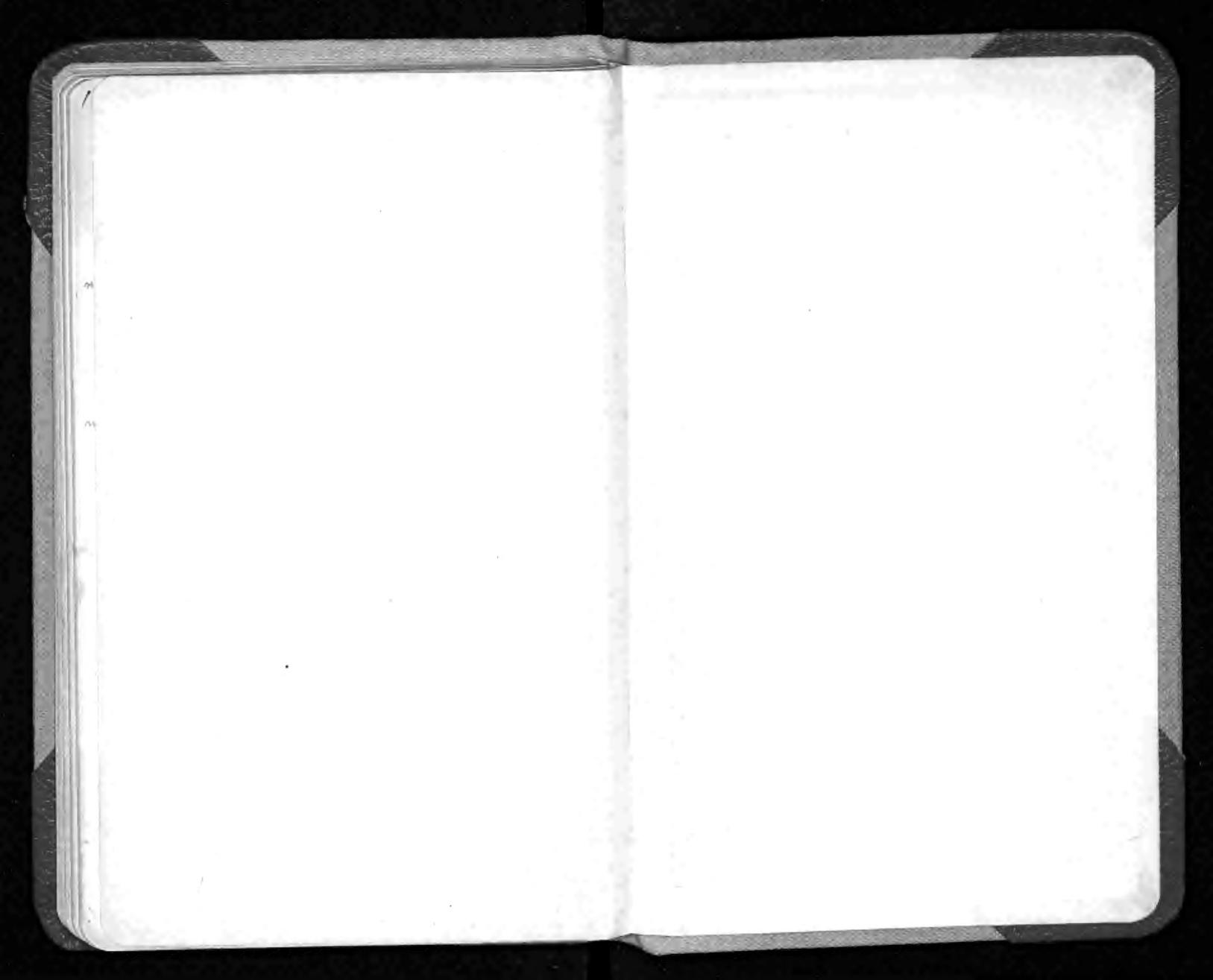
 The tree my mind t
 - 29 7. Iree. Very few flowers hanging from the branches. The only tree I found was about 20 ft. high and growing on high ground.
 - 29 8. Fern growing along with that climbing fern. (No. E.)
 - 30 %. Sedge (is that right I forget every one of these plants) Grows in moist places even in rather deep stade, on tigher ground. Find it quite often under the bushes and in the grass at the base of the coral clifs.
 - 31 13. Flant about 2 3 ft. high. Luch branched. Flowers yellowish. Low ground.
 - 32 No. Is this a Primrose: Reminds me somewhat of enathera (speling). Low ground, along with number 9 and 10.
 - 33 M. mooo. Have seen it on low ground and near hill tops. ot much here on the island.

That doesn't seem like very many this time, but its all I have on mand and that better be enough. Oh yes, I'll include a coule aleas from the ocean. And I wish you'd tell me the name of the thing (I believe there are two species, since I found both the large and the small, but none inbetween.) I know it is something to do with Calcareous, bu that's as far as I get.

Sanpau - all 12 de 12 de

131 Eclipta alba (L.) Hande. I Justices suffritions L. 13 Bambusa vulgaris Ashrad. Ex Wendl. 31 Cerbera manghas h. 3 gleichenia linearis (Burn. f.) C. chrysopogon acculating (Rety) Tring Lectaria crenata Car. 18 Eleusine indica (4.) gaentu. Hedyotra albido-punetata (Mer.) Fole 4. Wedelia biflux CV. DC. Pemphin acidula Forst. mit kept 41 quettarda speciosa L. mit helpt 11) Ochrosia oppositifolia (Fret.) Hend? 11 Lechaemum longisetum Merr. 15 malvastrum coromandelianus " Engelineia hista L. 11 2 ragnostis my high " Elevaine indica (1.1 gaerty. 111 Cenchus brownis R. 85. 20 Zorgaig matulla (L.) men. Casuarina aquisetifolia L. " Hedystis albido punctata (mors.) Frab. 15 Vernomia cinera (L.) Less. Euphorbia heterophylla L. fearola frutescens (Mill.) Kr. Clerodendium inerma (L.) gaerty. 53 Bilehia mariannonsis Bringn. 19 Messerschmidia argentea (L.) Johnst.

199 mot luft? 7 7; 7; 7 ! 71 7 7 8 3 8



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